

IN THE SPECIFICATION:

Please insert the following paragraph immediately below the title on page 1 of the Specification:

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a 371 of PCT/CA98/00249, filed March 20, 1998 designating the U.S., which claims priority from U.S. Provisional Application No. 60/041,280, filed March 21, 1997, and U.S. Application No. 08/870,242 filed June 5, 1997, now issued as U.S. Patent No. 6,052,224.

Please amend the paragraph beginning on page 22, line 30, as follows:

Another slide system in accordance with the present invention is indicated generally at 425 in FIG. 13. In slide system 425, sample area 36 includes a moat 426 to which two microperfusion ports 428 and 430 are connected. As shown in the Figure, ports 428 and 430 extend downward through slide base 24 and respectively engage inlet 432 and outlet 434 conduits on a microscope stage ~~436~~ 437 which includes a central passage 435 to allow light to pass through sample area 36. The connection between port 428 and inlet conduit 432 is sealed by an O-ring 436 and the connection between port 430 and outlet conduit 434 is sealed by a similar O-ring 438. A slide assembled with slide system 425 is maintained in contact with stage ~~436~~ 437, thus maintaining the seal between port 428 and conduit 432 and between port 430 and conduit 434 by any suitable means, as will occur to those of skill in the art.

Please amend the paragraph beginning on page 23, line 10, as follows:

Slide system 425 allows various materials to be supplied and removed from sample area 36, through moat 426. One perceived advantage of system 425 of that of system 400 is that it only requires a single layer slide base 24, reducing the cost and manufacturing time for system 425, although requiring a suitable stage ~~436~~ 437 to be available.